

DEPARTMENT OF THE NAVY
SUPERVISOR OF SHIPBUILDING, CONVERSION AND REPAIR, USN

3600 Surface Navy Blvd
Naval Station
Box 368119
SAN DIEGO, CALIFORNIA 92136-5066



ASSAULT CRAFT UNIT ONE (ACU-1)

SPECIFICATIONS FOR WORK TO BE ACCOMPLISHED

SPECIFICATION NUMBER: SSP:SSSD-138-04

SHIP CHARACTERISTICS

LENGTH OVERALL	0 FEET 0 INCHES
MAX. BEAM AT DESIGN WATERLINE	0 FEET 0 INCHES
EXTREME BEAM INCLUDING APPENDAGES	0 FEET 0 INCHES
DRAFT (MAX. NAVIGABLE) (FWD.)	0 FEET 0 INCHES
DRAFT (MAX. NAVIGABLE) (AFT.)	0 FEET 0 INCHES
LIGHT DISPLACEMENT	0 LONG TON
FULL LOAD DISPLACEMENT	0 LONG TON
HEIGHT OF MAST ABOVE DESIGN WATERLINE	0 FEET 0 INCHES

2 Each 12V71T1 Detroit Diesel Engines

09 FEB 2004

DATE PREPARED

I N D E X

ITEMS THAT ARE STRUCK OUT ON THIS INDEX DO NOT APPLY TO THIS CONTRACT.

CATEGORY I. FY-04 STANDARD ITEMS APPLICABLE TO THIS JOB ORDER WITHOUT FURTHER REFERENCE

<u>ITEM NO.</u>	<u>TITLE</u>	<u>DATE</u>
009-01	General Criteria; accomplish	30-AUG-02
009-02	Reporting of Material Usage Requirements for Work at Naval Facilities for Environmental Compliance; accomplish	30-AUG-02
009-03	Toxic and Hazardous Substances; control	30-AUG-02
009-04	Quality System; provide	30-AUG-02
009-05	Temporary Accesses; provide	30-AUG-02
009-06	Protection During Contamination-Producing Operations and Maintaining Cleanliness; accomplish	30-AUG-02
009-07	Confined Space Entry, Certification, Fire Prevention and Housekeeping; accomplish	30-AUG-02
009-08	Fire Protection at Contractor's Facility; accomplish	30-AUG-02
009-10	Shipboard Asbestos-Containing Material (ACM); control	30-AUG-02
009-18	Magnetic Material; control	30-AUG-02
009-19	Provisioning Technical Documentation (PTD); provide	30-AUG-02
009-20	Government Property; control	30-AUG-02
009-21	Logistics and Technical Data; provide	30-AUG-02
009-23	Interferences; remove and install	30-AUG-02
009-24	Isolation, Blanking, and Tagging Requirements; accomplish	30-AUG-02
009-29	Asbestos-Free Pipe Hanger Liner Material; install	30-AUG-02
009-34	Fire Protection of Unmanned Craft at Contractor's Facility; provide	30-AUG-03
009-35	Confined Space Entry, Certification, Fire Prevention and Housekeeping; accomplish	30-AUG-02

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009-39	Technical Manual Contract Requirement (TMCR) for New Technical Manuals for Commercial Equipment/ Component; provide	30-AUG-02
009-40	Requirements for Contractor Cranes at Naval Facilities; accomplish	30-AUG-02
009-59	Organotin Antifouling Material; control	30-AUG-02
009-60	Schedule and Associated Reports; provide and manage	30-AUG-02
009-61	Shipboard Use of Fluorocarbons; control	30-AUG-02
009-64	Synthetic Fire-Resistant Hydraulic Fluid; control	30-AUG-02
009-65	Polychlorinated Biphenyls (PCBs); control	30-AUG-02
009-67	Integrated Total Ship Testing; manage	30-AUG-02
009-69	Heavy Weather Plan; provide	30-AUG-02
009-70	Confined Space Entry, Certification, Fire Prevention and Housekeeping for Unmanned Craft; accomplish	30-AUG-02
009-72	Physical Security of U.S. Naval Vessels and Crews at Private Contractor's Facility; accomplish	30-AUG-02
009-73	Shipboard Electrical/Electronic/Fiber Optic Cable; remove, relocate, repair, and install	30-AUG-02
009-79	Government Owned Material (GOM); status reporting	30-AUG-02
009-80	Ship's Facilities; provide	30-AUG-02
009-81	Compartment Closeout Schedule; provide	30-AUG-02
009-82	Data Requirements When Installing an Equal Component Vice Specified Component; provide	30-AUG-02
009-83	Wire Rope Fitting Verification; provide	30-AUG-02
009-84	Accountability of Temporary Fasteners; provide	30-AUG-02
009-86	Recovery of Chlorofluorocarbon (CFC) Refrigerants and Fire Suppressant Halon (H) Materials; accomplish	30-AUG-02
009-87	Chlorination Procedures; accomplish	30-AUG-02

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009-88	Collection, Holding and Transfer (CHT) and Mogas Tanks, Spaces, and Piping; certify	30-AUG-02
009-89	Purchase and Inspection Requirements for Contractor Furnished Zinc Anodes; accomplish	30-AUG-02
009-93	Emergency Planning and Community Right-to-Know Act (EPCRA) and Pollution Prevention Act (PPA) Information; provide	30-AUG-02
009-94	General Environmental Requirements for Work at Contractor's Facility; accomplish	30-AUG-02
009-95	Mechanically Attached Fittings (MAF's) for Piping Systems; install	30-AUG-02
009-97	Shipbuilding and Ship Repair Operations National Emission Standard for Hazardous Air Pollutants (NESHAPS) for Surface Coating Information; provide	30-AUG-02
009-99	Ship Departure Report; provide	14-FEB-03
009-100	Ship's Stability (PCP); maintain	30-AUG-02
009-101	Requirements for Mooring, Entry to and Departure from Contractor's Facility; accomplish	30-AUG-02
009-102	Alteration Verification; provide	30-AUG-02
009-103	Weight and Moment Change Data; provide	30-AUG-02

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CATEGORY II. FY-04 STANDARD ITEMS WHICH MAY BE INVOKED IN THE WORK ITEMS OF THIS JOB ORDER

<u>ITEM NO.</u>	<u>TITLE</u>	<u>DATE</u>
009-09	Process Control Procedure (PCP); provide and accomplish	30-AUG-02
009-11	Insulation and Lagging Requirements; accomplish	30-AUG-02
009-12	Welding, Fabrication, and Inspection Requirements; accomplish	30-AUG-02
009-13	Meter; repair and calibrate	30-AUG-02
009-14	Gages and Thermometers; repair and calibrate	30-AUG-02
009-15	Rotating Machinery; balance	30-AUG-02
009-16	Electronic Equipment; repair	30-AUG-02
009-17	Rotating Electrical Equipment; repair	30-AUG-02
009-22	Shipboard Electric Cable; test	30-AUG-02
009-25	Structural Boundary Test; accomplish	30-AUG-02
009-26	Teletype Equipment; repair	30-AUG-02
009-27	Material Identification and Control (MIC) for Level I Systems; accomplish	30-AUG-02
009-28	Metal-Sprayed Coating System for Corrosion Protection; accomplish	30-AUG-02
009-30	Boiler Sample Tubes; inspect	30-AUG-02
009-31	Boiler Waterjet Cleaning; accomplish	30-AUG-02
009-32	Cleaning and Painting Requirements; accomplish	30-AUG-02
009-33	Rotating Electrical Equipment; rewind	30-AUG-02
009-36	Controller; repair	30-AUG-02
009-37	General Procedures for Woodwork; accomplish	30-AUG-02

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009-38	Boiler Dry Lay-up; accomplish	30-AUG-02
009-41	Technical Manual Contract Requirement (TMCR) for a Topically Structured Technical Manual; provide	30-AUG-02
009-42	Technical Manual Contract Requirement (TMCR) for Updating Technical Manuals; provide	30-AUG-02
009-43	Light-Off Assessment (LOA) Support for Steam Propulsion System; provide	30-AUG-02
009-44	Light-Off Assessment (LOA) Support for Gas Turbine Propulsion System; provide	30-AUG-02
009-45	Tapered Plug Valve; repair	30-AUG-02
009-46	Butterfly Valve, Synthetic and Metal Seated; repair	30-AUG-02
009-47	Gate Valve; repair	30-AUG-02
009-48	Pressure Seal Bonnet Valve; repair (shop)	30-AUG-02
009-49	Pressure Seal Bonnet Valve; repair (in-line)	30-AUG-02
009-50	Horizontal Swing Check Valve; repair	30-AUG-02
009-51	Globe, Globe Angle, and Globe Stop Check Valve; repair	30-AUG-02
009-52	Relief Valve; repair	30-AUG-02
009-53	Bolted Bonnet Steam Valve; repair (shop)	30-AUG-02
009-54	Bolted Bonnet Steam Valve; repair (in-line)	30-AUG-02
009-55	Regulating/Reducing Valve; repair	30-AUG-02
009-56	Boiler Wet Lay-Up; accomplish	30-AUG-02
009-57	Reduction Gear Security Requirements; accomplish	30-AUG-02
009-58	Pump and Driver Shaft Alignment; accomplish	30-AUG-02
009-62	Boiler Handhole and Manhole Seats and Plates; inspect	30-AUG-02
009-63	Lubricating Oils and Hydraulic Fluids; analyze	30-AUG-02

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009-66	Light-Off Assessment (LOA) Support for Diesel Propulsion System; provide	30-AUG-02
009-68	Bolted Bonnet Valve; repair	30-AUG-02
009-71	Testing Requirements for Piping Systems; accomplish	30-AUG-02
009-75	Circuit Breaker; repair	30-AUG-02
009-76	Waveguide and Transmission Line Temporary Lay-Up, Pressurization, and Purging; accomplish	30-AUG-02
009-77	Cofferdam Requirements; accomplish	20-MAY-03
009-78	Passive Countermeasures System (PCMS) Material Repair/Installation Requirements; accomplish	30-AUG-02
009-85	Government Sponsored Planning Yard/Configuration Data Manager (CDM) On-Site Representative Facility; provide	30-AUG-02
009-90	Technical Representative; provide	30-AUG-02
009-91	Propeller In-Place Inspection; accomplish	30-AUG-02
009-92	Resilient Mount; install	30-AUG-02
009-96	Ball Valve; repair	30-AUG-02
009-98	Monel Fasteners; inspect	30-AUG-02

SHIP: ASSAULT CRAFT UNIT ONE (ACU-1)

SSP-138-04

I N D E X

ITEM NO.

TITLE

583-45-001 Propulsion Diesel Engine (12V-71); overhaul

SHIP: ASSAULT CRAFT UNIT ONE (ACU-1) ITEM NO: 583-45-001
COAR: 26-138 PCN: EA00-0245
EA00-0246
CMP: NONE
PLANNER: WILSON

1. SCOPE:

1.1 Title: Propulsion Diesel Engine (12V-71); overhaul

1.2 Location of Work:

1.2.1 12V71 ENGINE (WAREHOUSE)

1.2.2 12V71 ENGINE (WAREHOUSE)

1.3 Identification:

1.3.1 Quantity (TWO EA), Diesel Engine, Mfr.: Detroit Diesel-Allison
of GMC, MFR: ID: 12V-71, APL: 666010366, Advanced Time, N-70
Injection

2. REFERENCES:

2.1 Standard Items

2.2 S9AA0-AB-GOS-010/GSO, General specifications for Overhaul of Surface
Ships

2.3 0941-LP-055-2010, Detroit Diesel Engines 12V-71

3. REQUIREMENTS:

3.1 Pick up each equipment identified in 1.3 via the SUPERVISOR.

3.2 Accomplish a Class B overhaul as defined in paragraph 042C of 2.2 for
the Engine identified in paragraph 1.3, using 2.3 for guidance.

(V)(G) "NEW PARTS"

3.2.1 The overhaul shall include each new or refurbished OEM attached
component or assembly including cylinder head, blower, governor, "J" type exhaust
valve, premium grade fuel injector, oil regulator / relief valve, thermostat,
jacket water pump, raw water pump, starter, alternator, fuel pump, RPA pump,
flexible hose, fitting, clamps and filter element.

(V)(G) "HYDROSTATIC TEST"

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3.2.1.1 Hydrostatically test each new hose to 135 percent of designed system pressure.

3.2.1.2 Install a stamped metal tag, QQ-S-766, Class 302, conforming to MIL-P-15024, Style IV, Type J, indicating the quarter and year installed, and the quarter and year when retesting is required, on each flexible hose.

3.2.2 Accomplish a magnaflux inspection of each block, crank and cam shaft. Allowable cracking or pinholes: None.

3.2.3 Accomplish a line-bore inspection to verify OEM specifications.

3.2.3.1 Submit one legible copy, in hard copy or electronic media, of a report listing results of the requirements of 3.2.2 and 3.2.3 to the SUPERVISOR.

3.2.4 Lubricate engine and attached components in accordance with 2.3.

3.2.5 Fill each engine lube oil sump to the full mark with new lube oil conforming to MIL-L-9000, Navy symbol 9250.

3.2.5.1 Provide one each 8 ounce sample of new oil.

3.2.6 Adjust each exhaust valve, fuel injector, fuel control rack and governor in accordance with 2.3.

3.3 Accomplish the requirements of 009-32 of 2.1, including Table 14, Line(s) 3, for each engine external surface.

(I)(G) "DYNAMOMETER TEST"

3.4 Accomplish a dynamometer test of the engine overhauled in paragraph 3.2, using 2.3 for guidance.

3.4.1 Submit one legible copy, in hard copy and electronic media, of a report listing results of the requirements of 3.6 to the SUPERVISOR and attach (one) copy directly to the engine in a protective cover.

3.4.2 Upon completion of dynamometer test, drain lube oil and fresh water from Engine.

3.4.2.1 Provide a spectrographic analysis of oil drained from the Engine.

3.4.2.2 Submit one legible copy, in hard copy or electronic media, of a report listing results of the requirements of 3.4.2.1 to the SUPERVISOR.

3.5 Deliver each Engine overhauled in paragraph 3.2 via the SUPERVISOR.

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3.6 Fill each engine jacket water expansion tank to the full mark with new 40 percent distilled water and 60 percent ethylene glycol based antifreeze mixture conforming to MIL-A-52624.

3.6.1 Fill each engine lube oil to the full mark with new lube oil conforming to MIL-L-9000, Navy Symbol 9250.

4. NOTES:

4.1 None.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 LLTM:

1. None.

5.2 PUSH MATERIAL:

1. None.

5.3 KITTED MATERIAL:

1. None.